**Project Option 1**

Conduct a Chemical Reaction Experiment

Procedure for this project:

1. Research different types of chemical reaction experiments that you can conduct at home using regular house-hold items or basic chemicals. Science Fair websites or books are a great resource for this. Review safety measures and have the experiment approved by a parent.
2. Conduct the experiment and record observations.
3. Design a poster that illustrates all steps of the scientific method. This includes:

Title – What is your experiment called?

Hypothesis – What you thought would happen before you conducted the experiment.

Materials – Detailed list of what you used

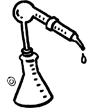
Procedure – The step-by-step process that you used to conduct the experiment

Data/Observation – Create a diagram, chart, or use photographs to show observations and data.

Analysis – Explain what your results mean or transfer your data into a chart, such as a line graph or bar graph.

Conclusion – Was your hypothesis right? Summarize the results of your experiment. Also, in your conclusion, explain what type of chemical reaction this was. Some options include: decomposition, synthesis, exothermic, endothermic, single replacement, and double replacement.

BONUS \*\*\* You can earn bonus points if you are able to find the chemical equation that represents your chemical reaction. Write it on your poster!

[](http://school.discoveryeducation.com/clipart/clip/flask1.html)